

Fig. 1

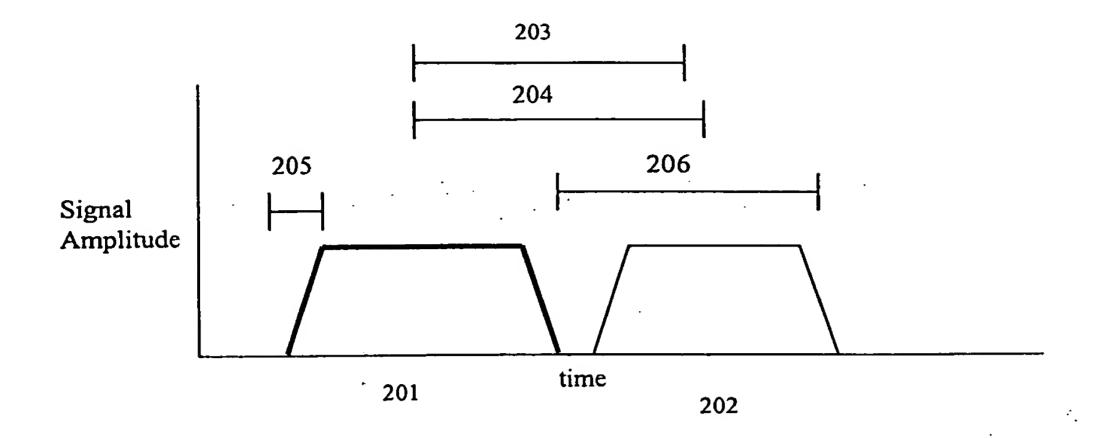


Fig. 2A

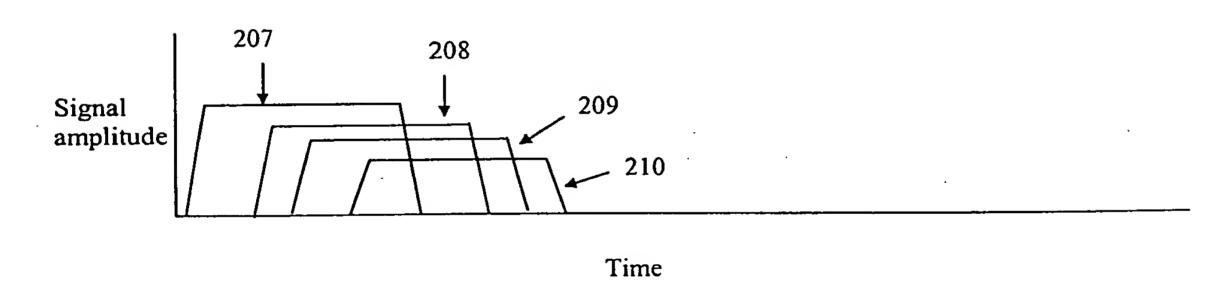


Fig. 2B

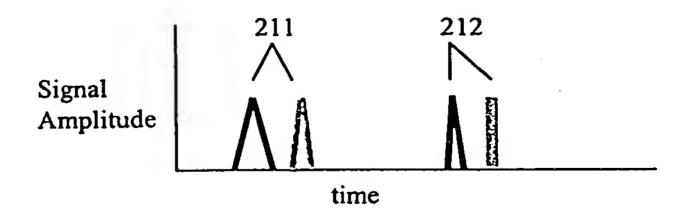
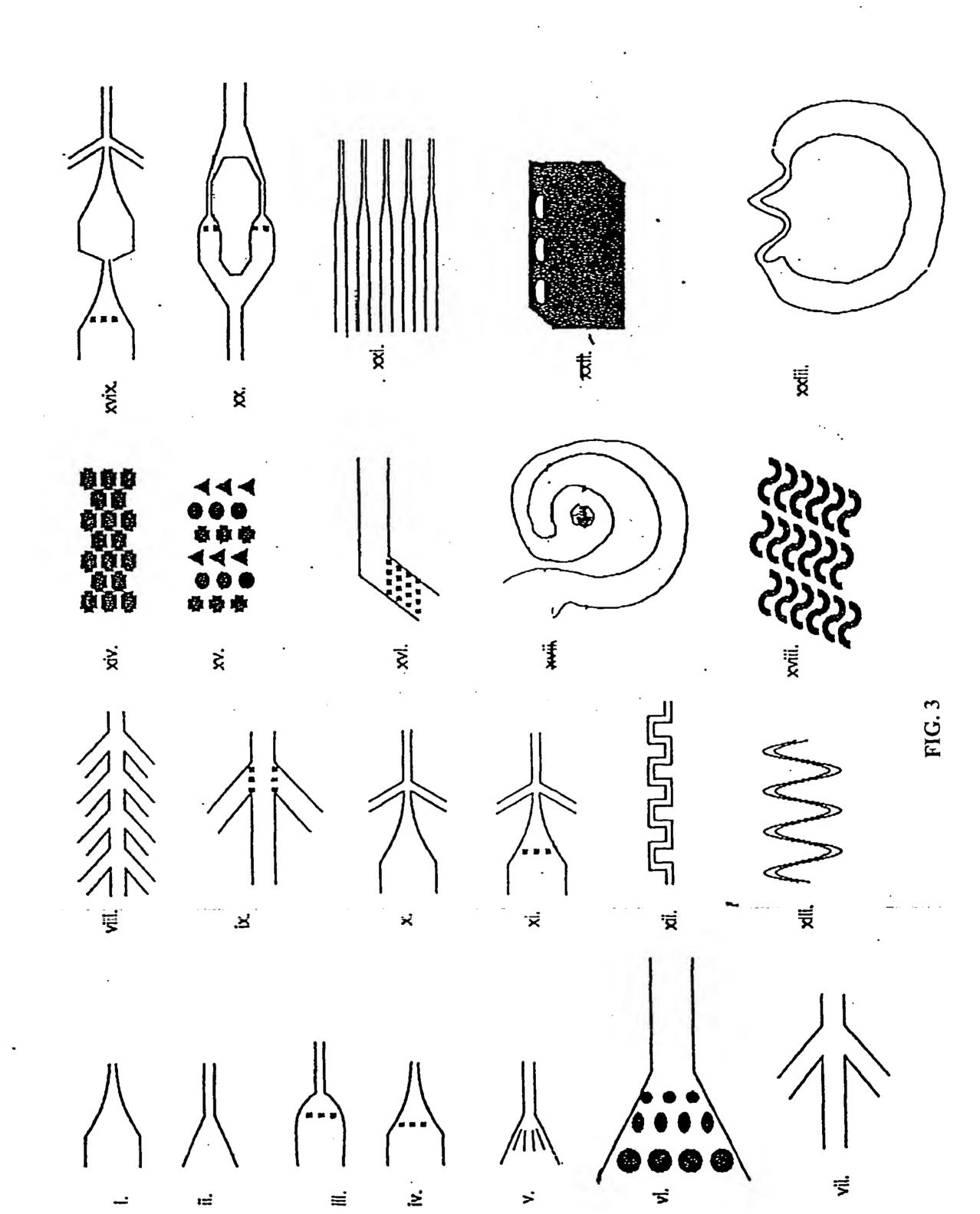


Fig. 2C

Sheet 3 of 45



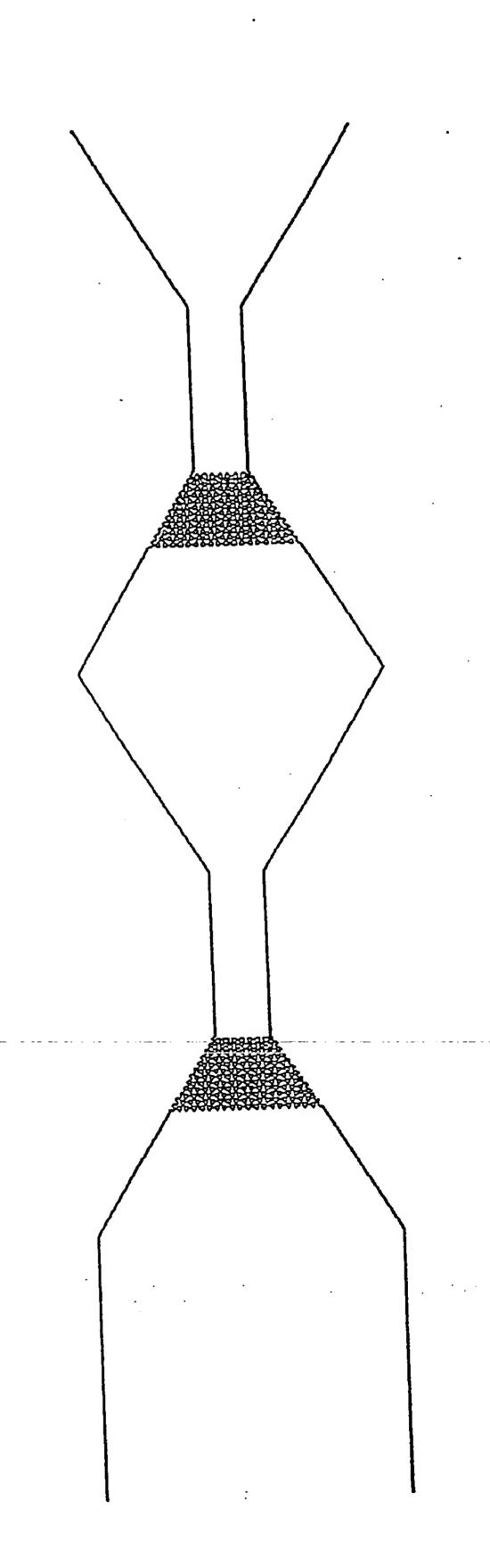


FIG. 4(b)

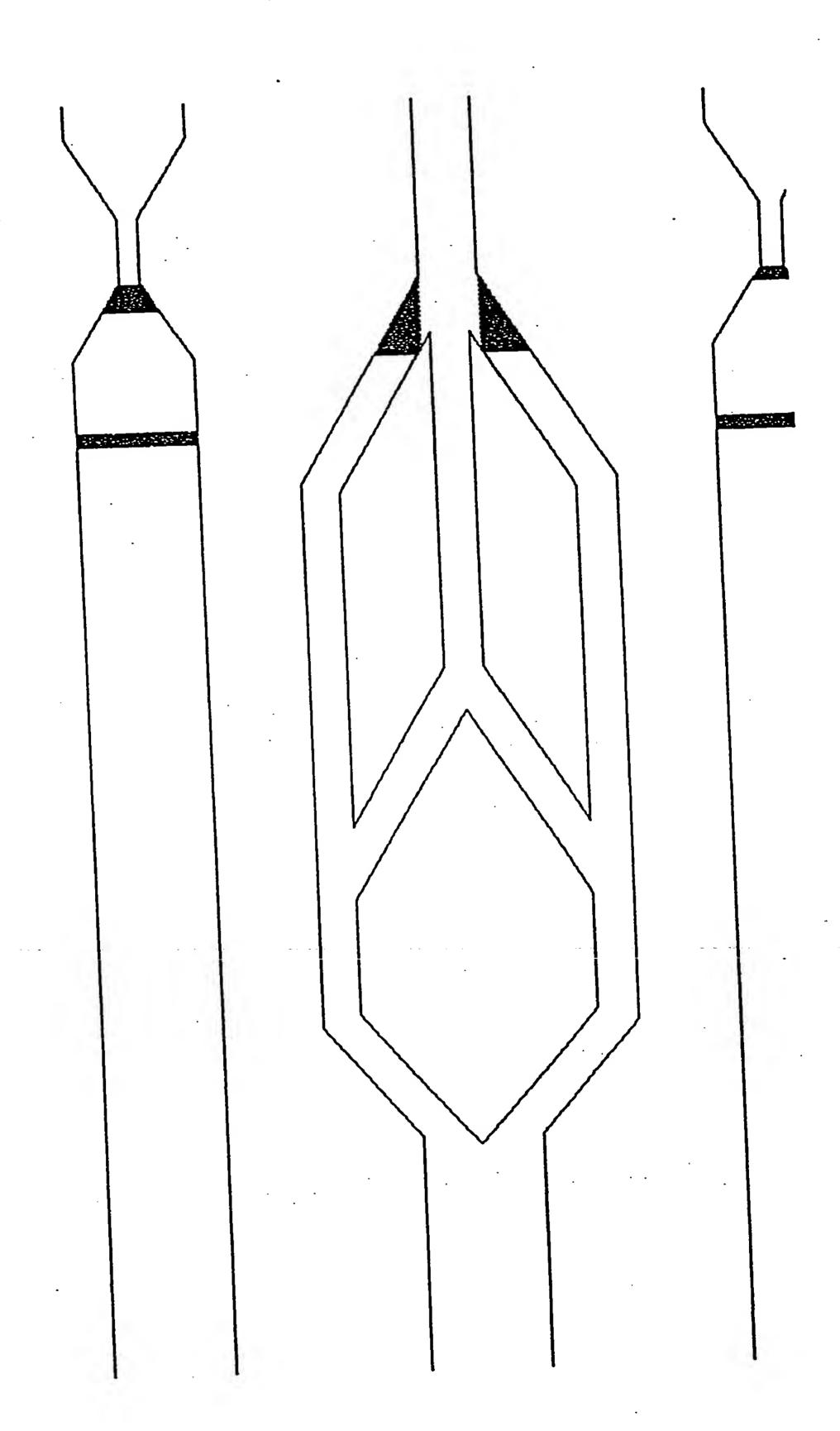


FIG. 4(c)

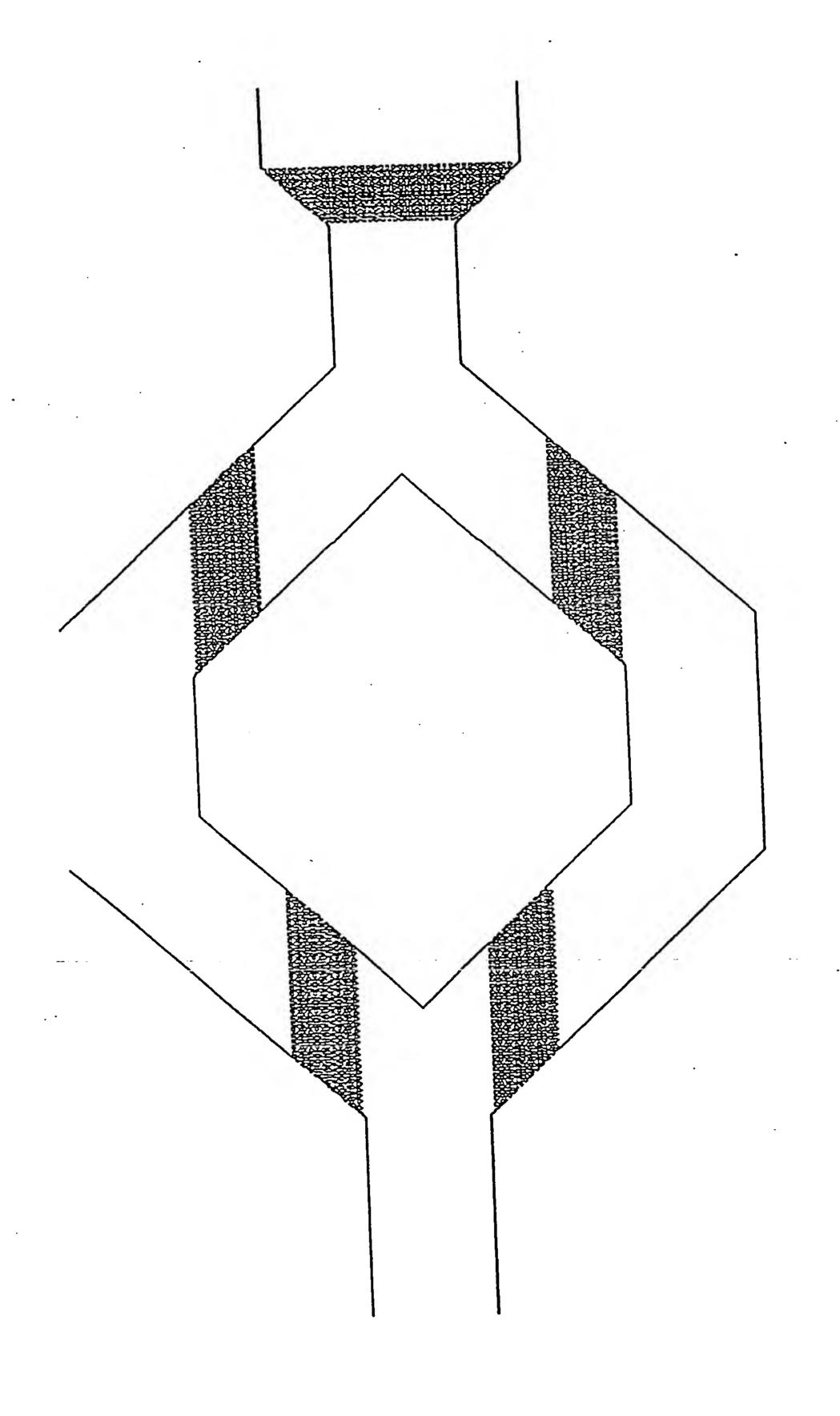


FIG. 4(e)

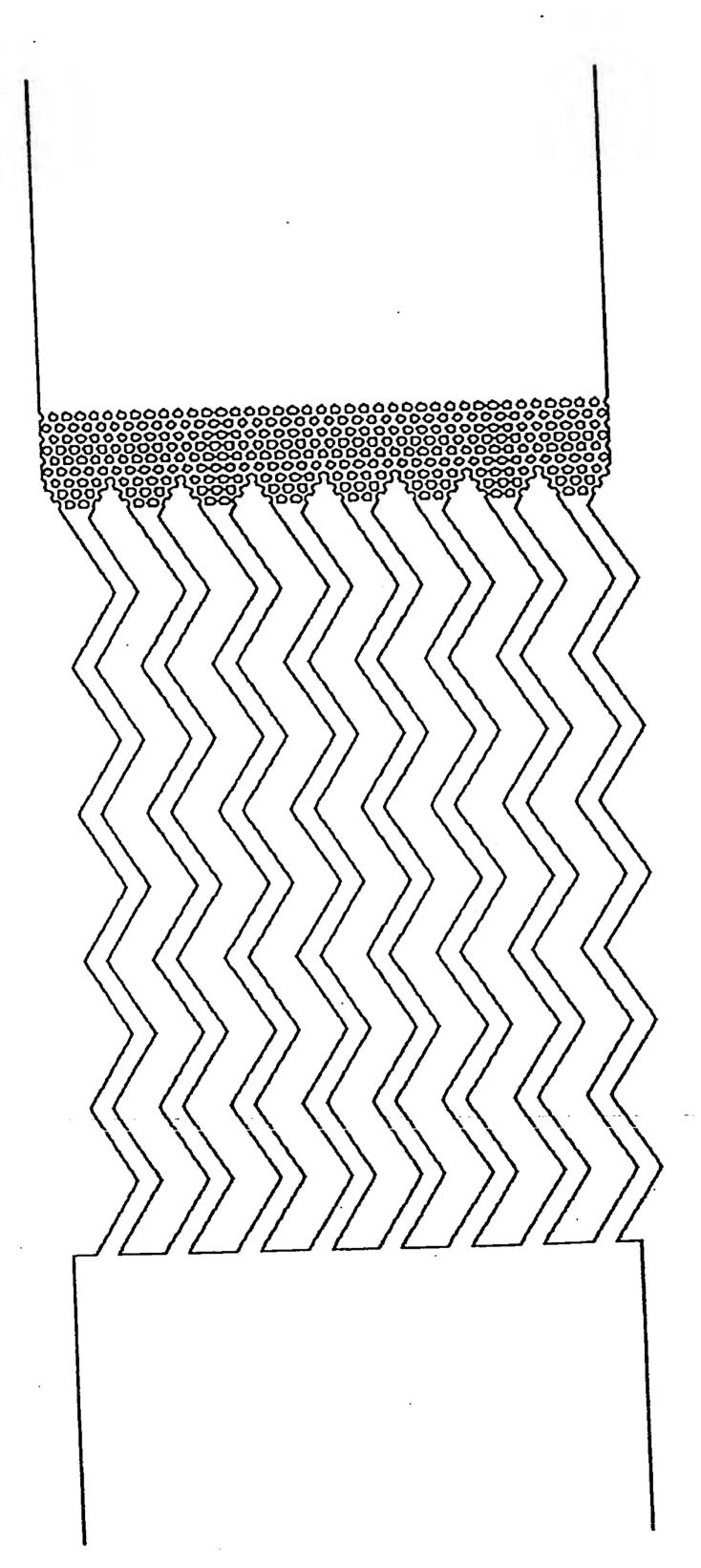


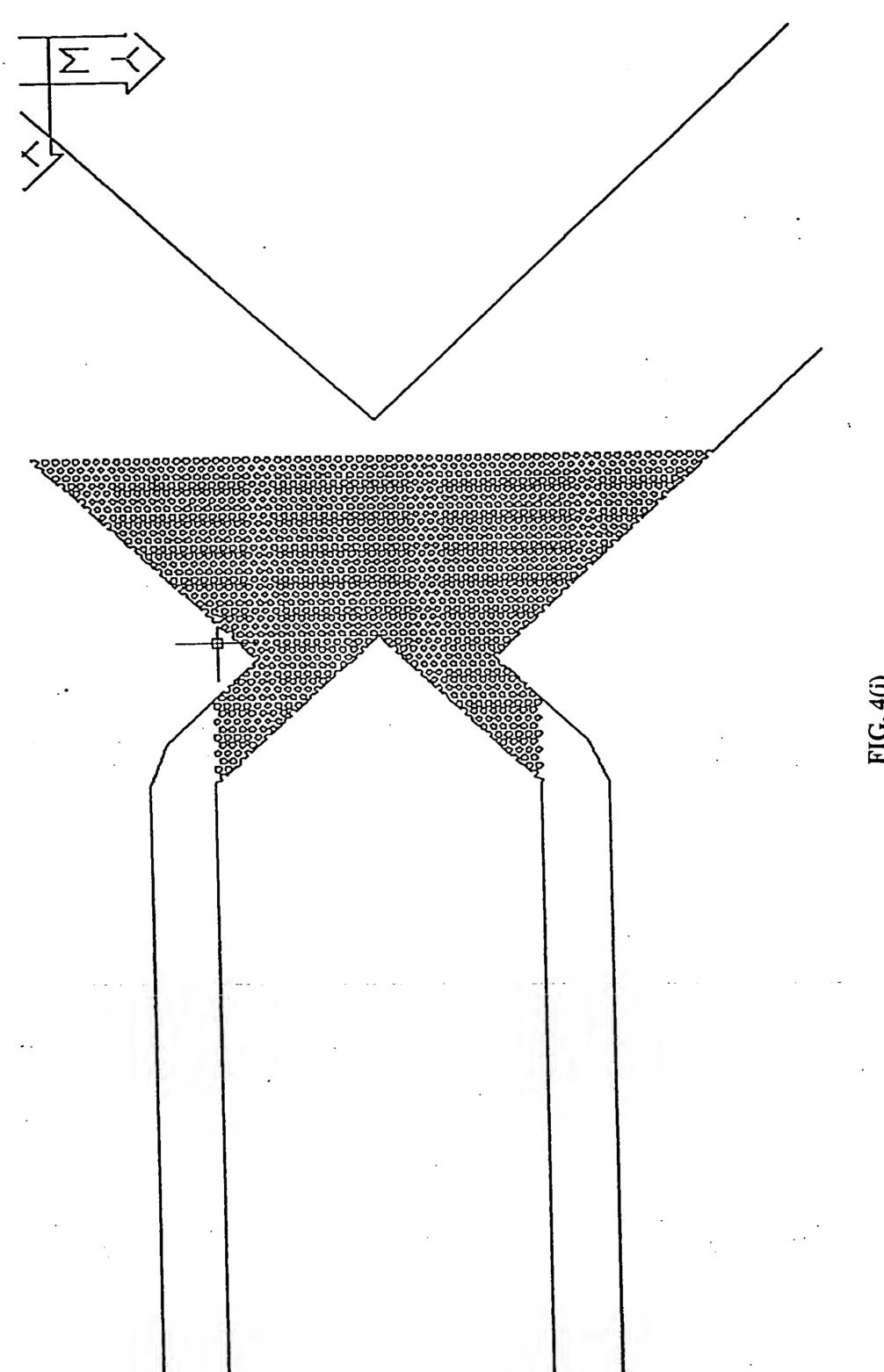
FIG. 4(f)

|--|

FIG. 4(g)

Sheet 11 of 45

FIG. 4(h)



Sheet 13 of 45

FIG. 4(j)

0066-021

Sheet 15 of 45

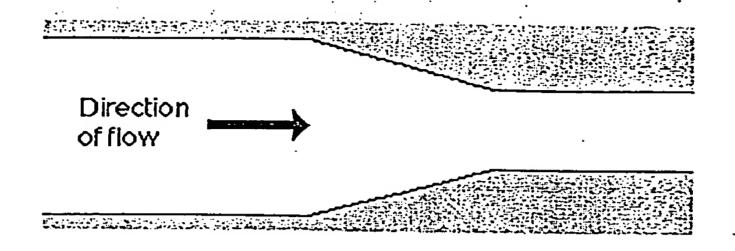


FIG. 5

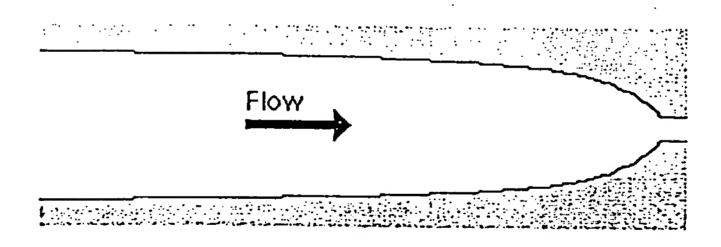


FIG. 6

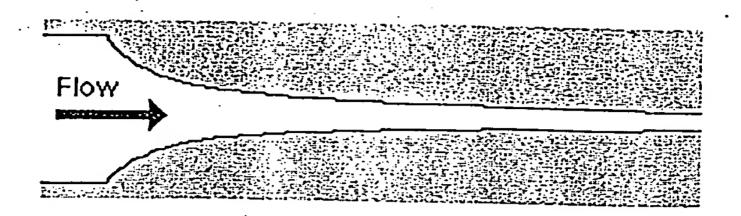


FIG. 7

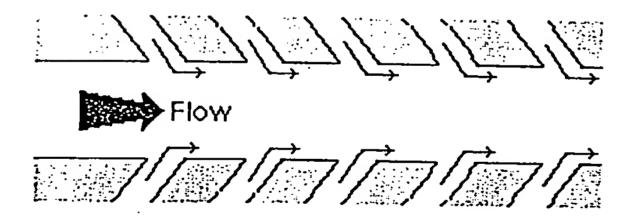


FIG. 8

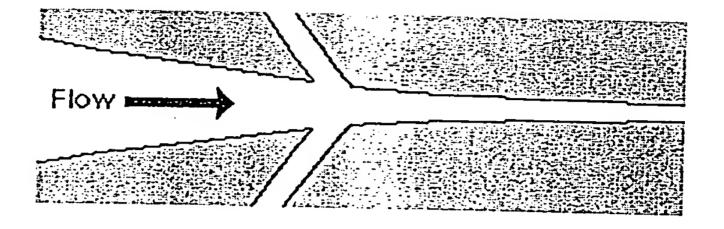
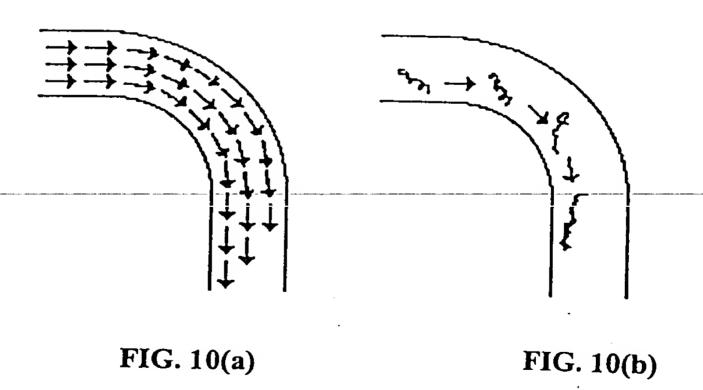


FIG. 9



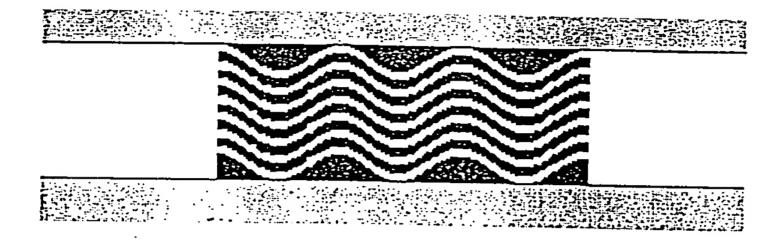


FIG. 11

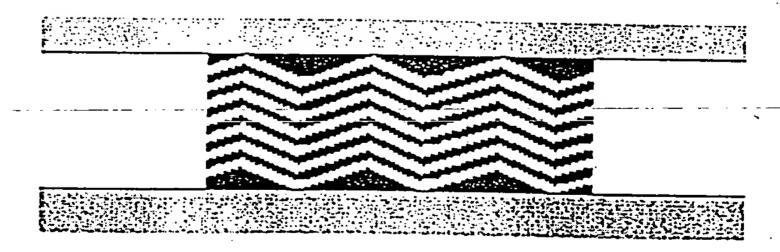


FIG. 12

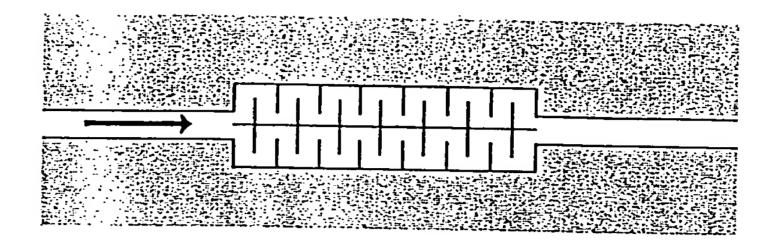


FIG. 13

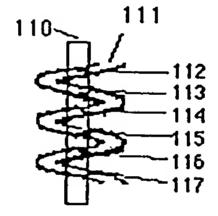


FIG. 14

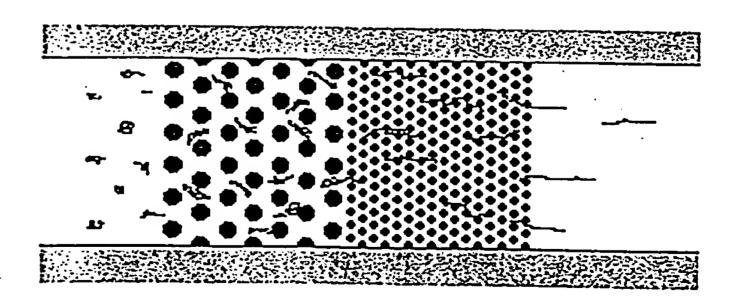
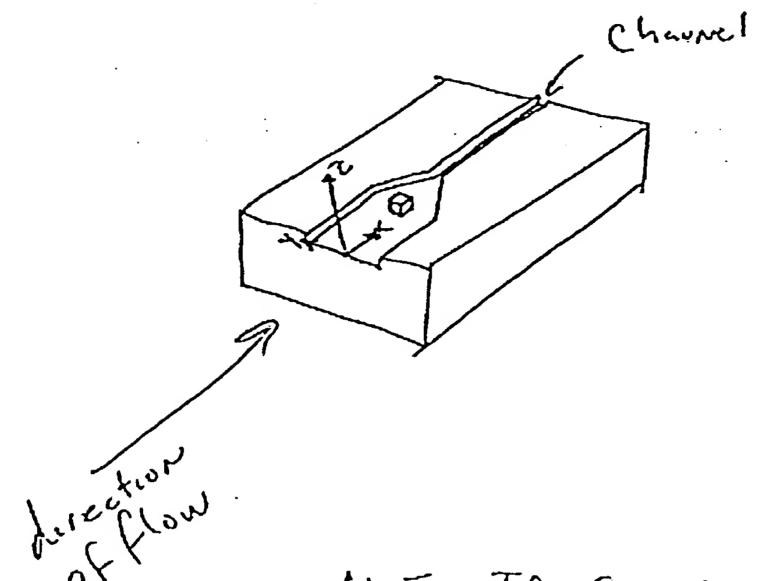


FIG. 15



NOT TO SCALE SHOWN WITHOUT COVER SLIP

FIG. 16

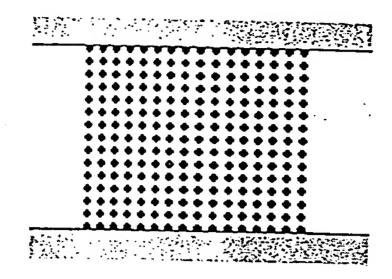


FIG. 17(a)

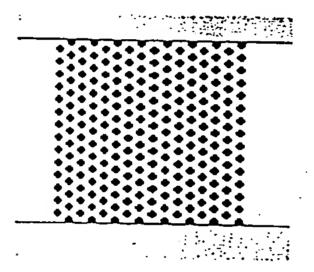


FIG. 17(b)

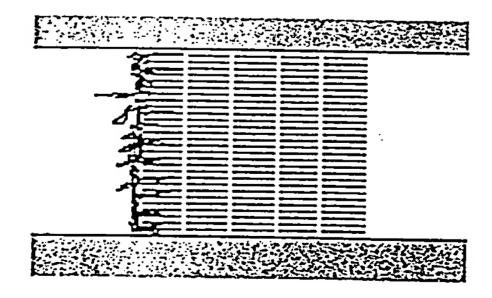


FIG. 18

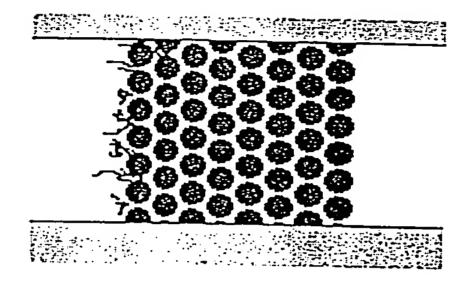


FIG. 19

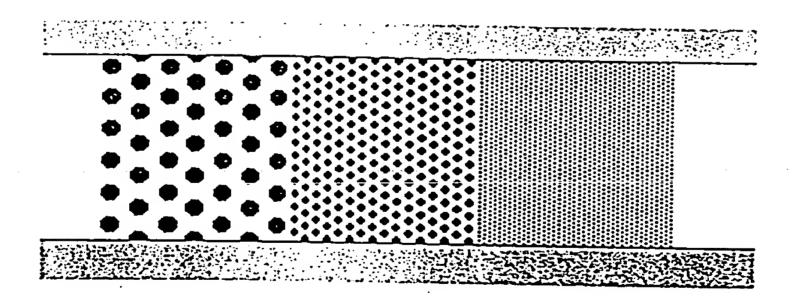
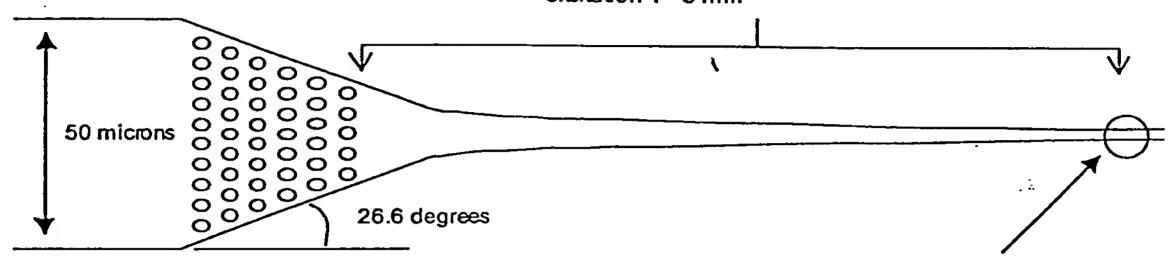


FIG. 20

region of excitation

- Region of constant x-direction shear to maintain the polymer in extended conformation after release posts from the
- Distance from end of post field to region of excitation 1 - 3 mm



- posts 1.5 microns pitch, 0.5 microns gap between posts
- staggered post arrangement 12-15 rows of posts

FIG. 21

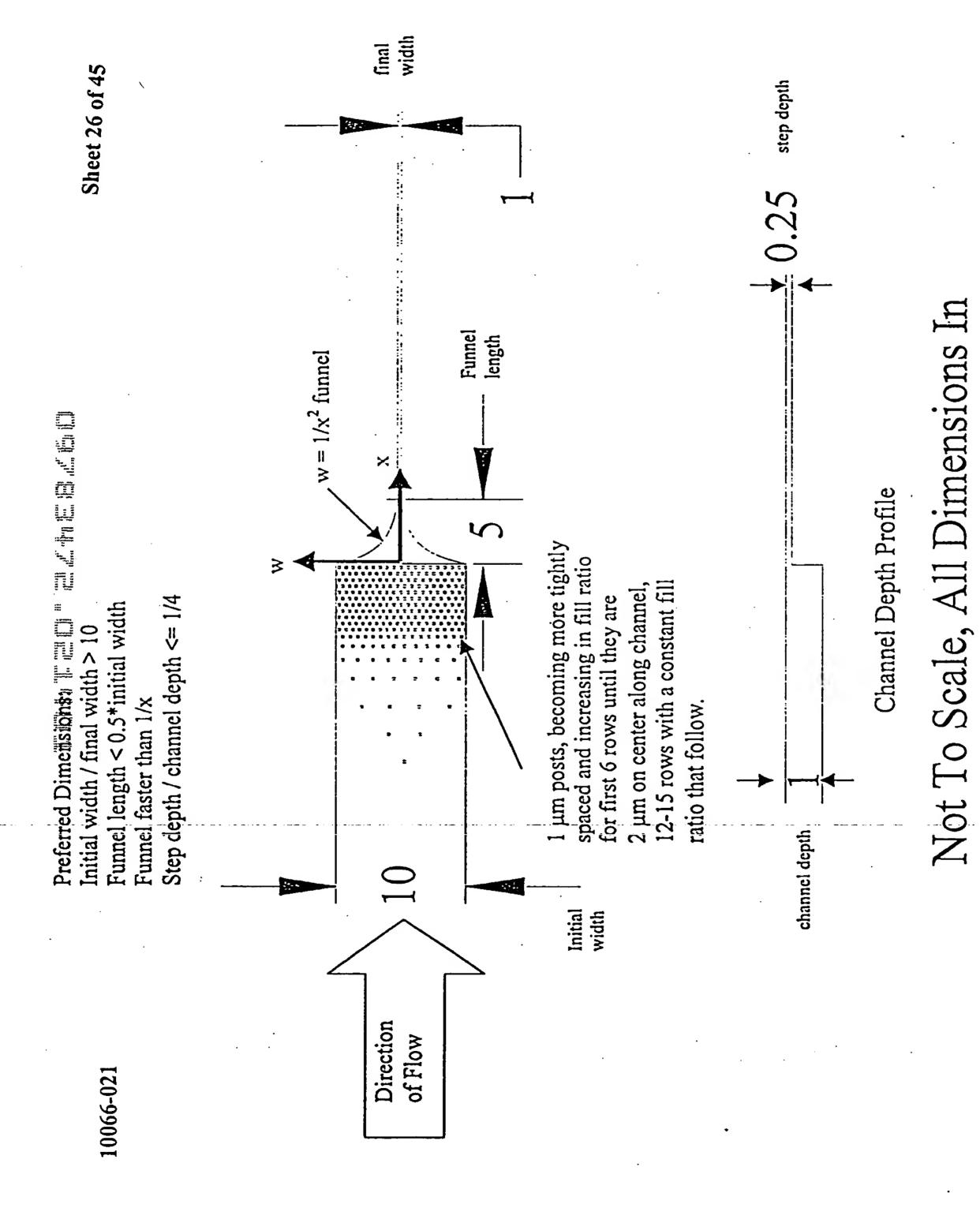


FIG. 22

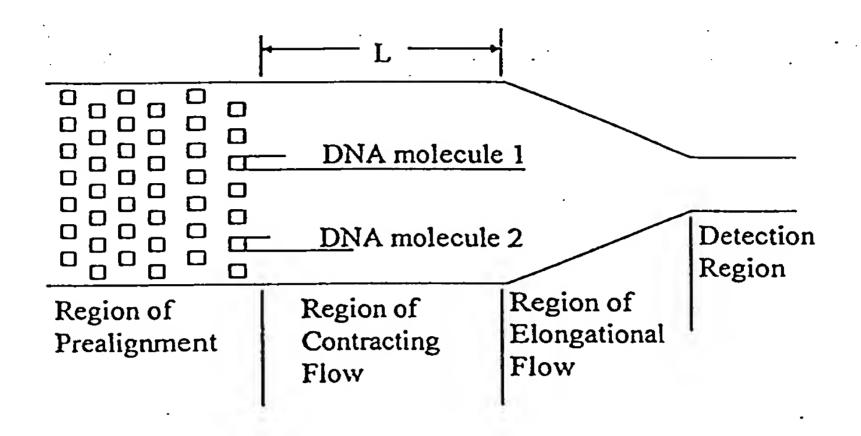


FIG. 23

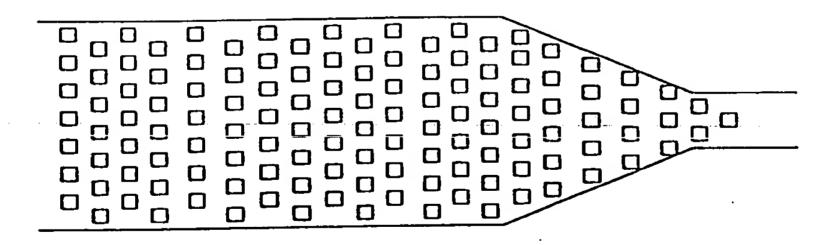


FIG. 24

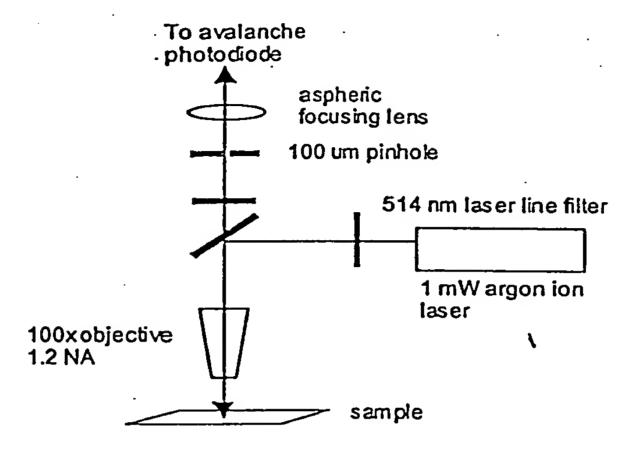


FIG. 25

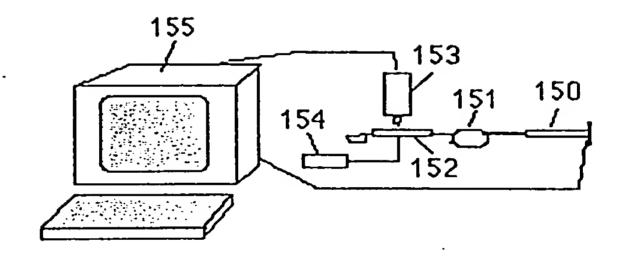


FIG. 26

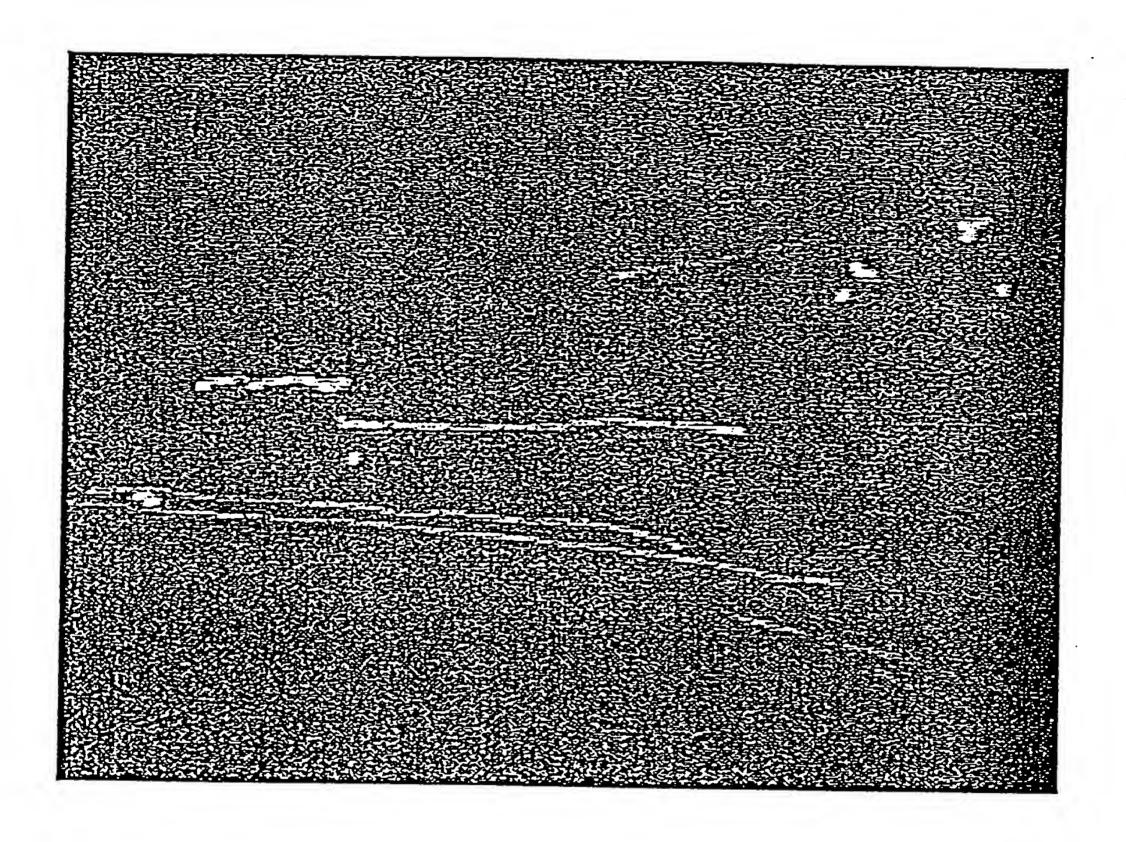
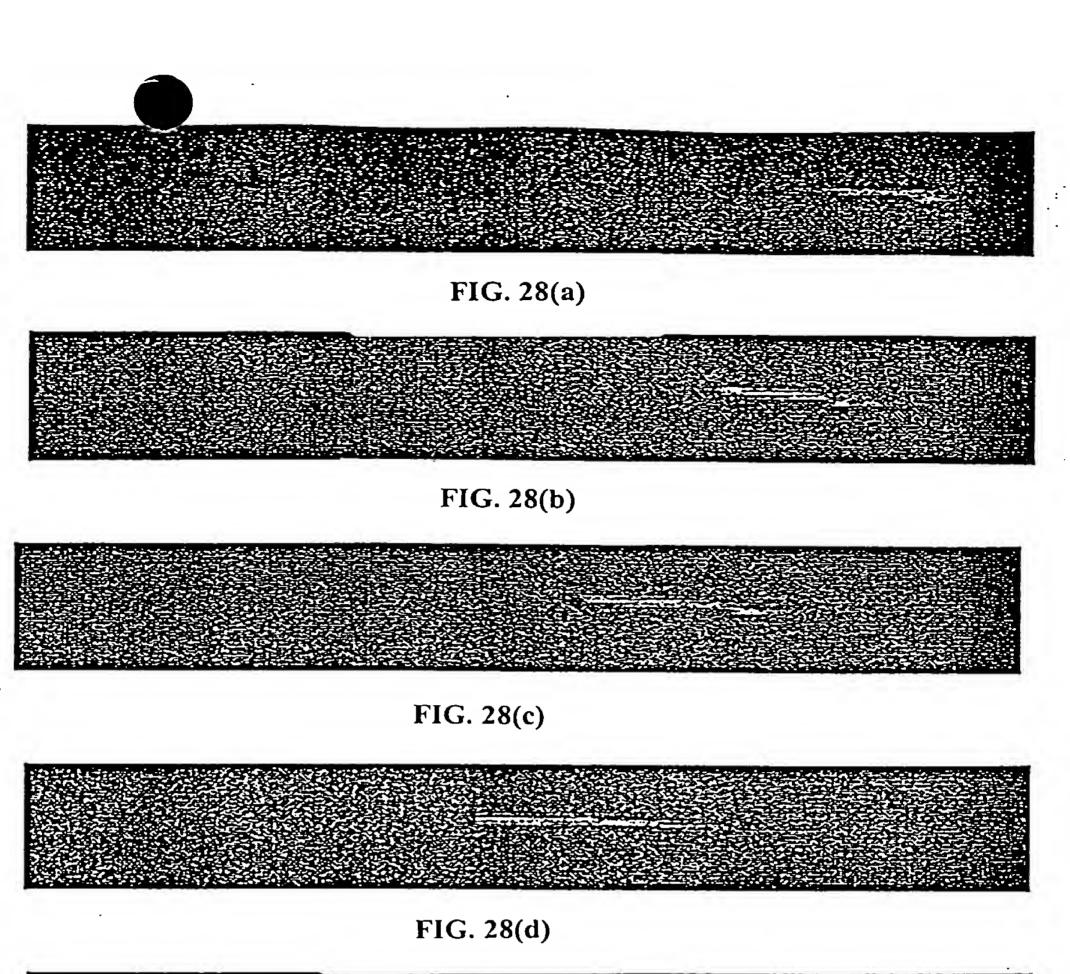


FIG. 27



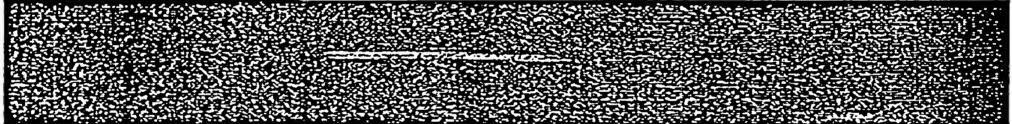


FIG. 28(e)



FIG. 28(f)

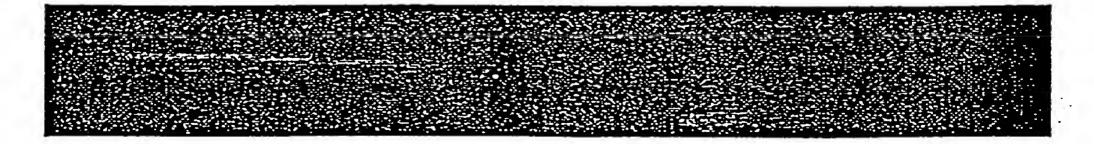


FIG. 28(g)

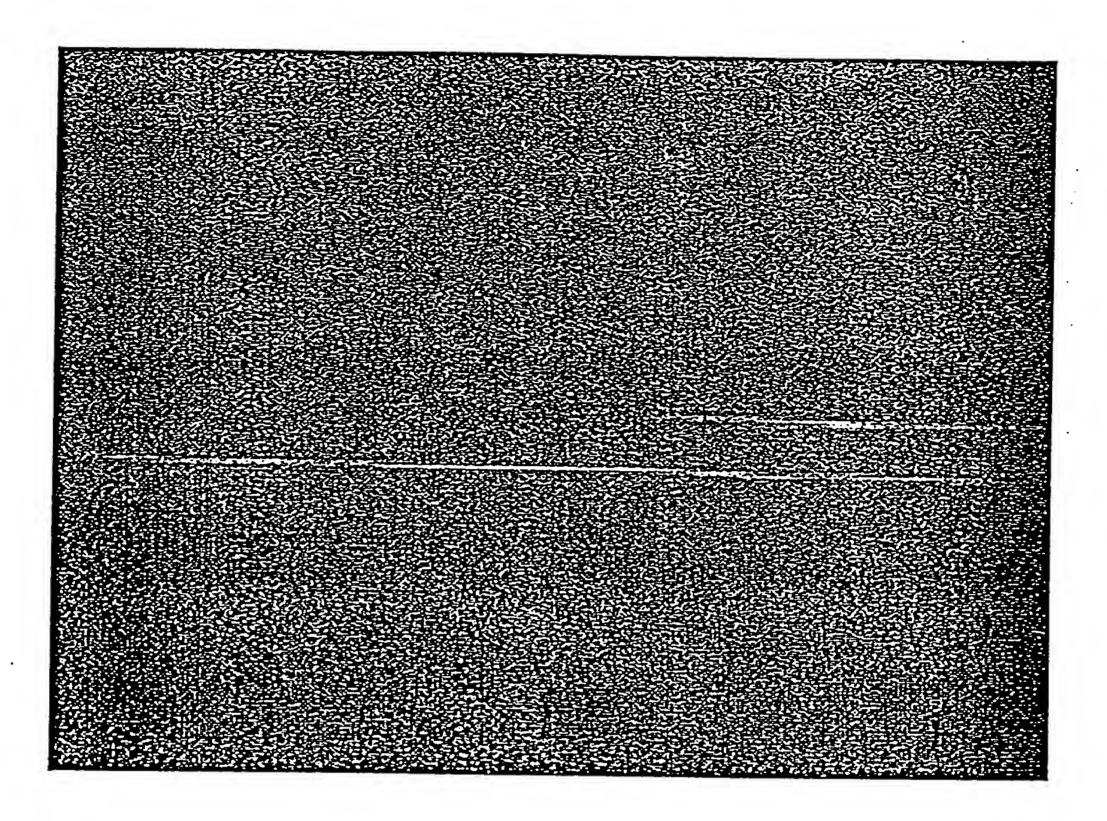


FIG. 29

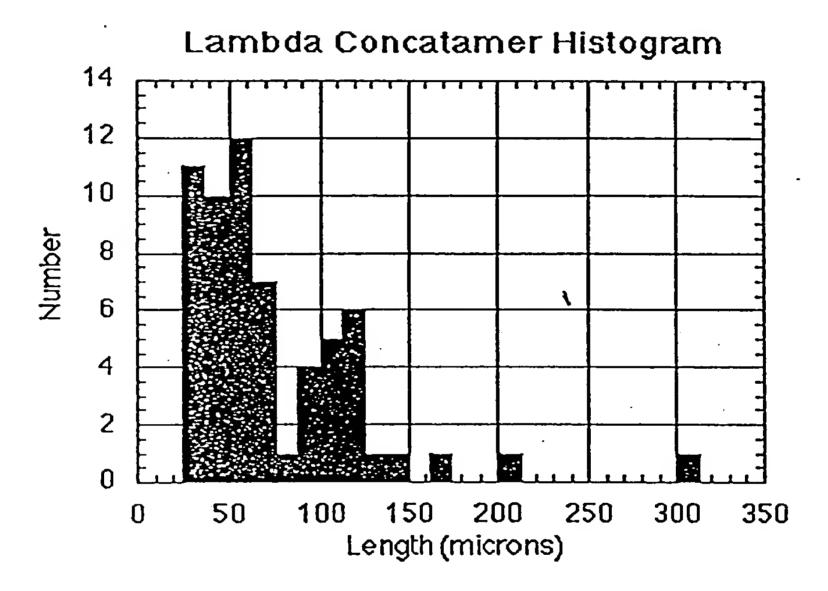


FIG. 30

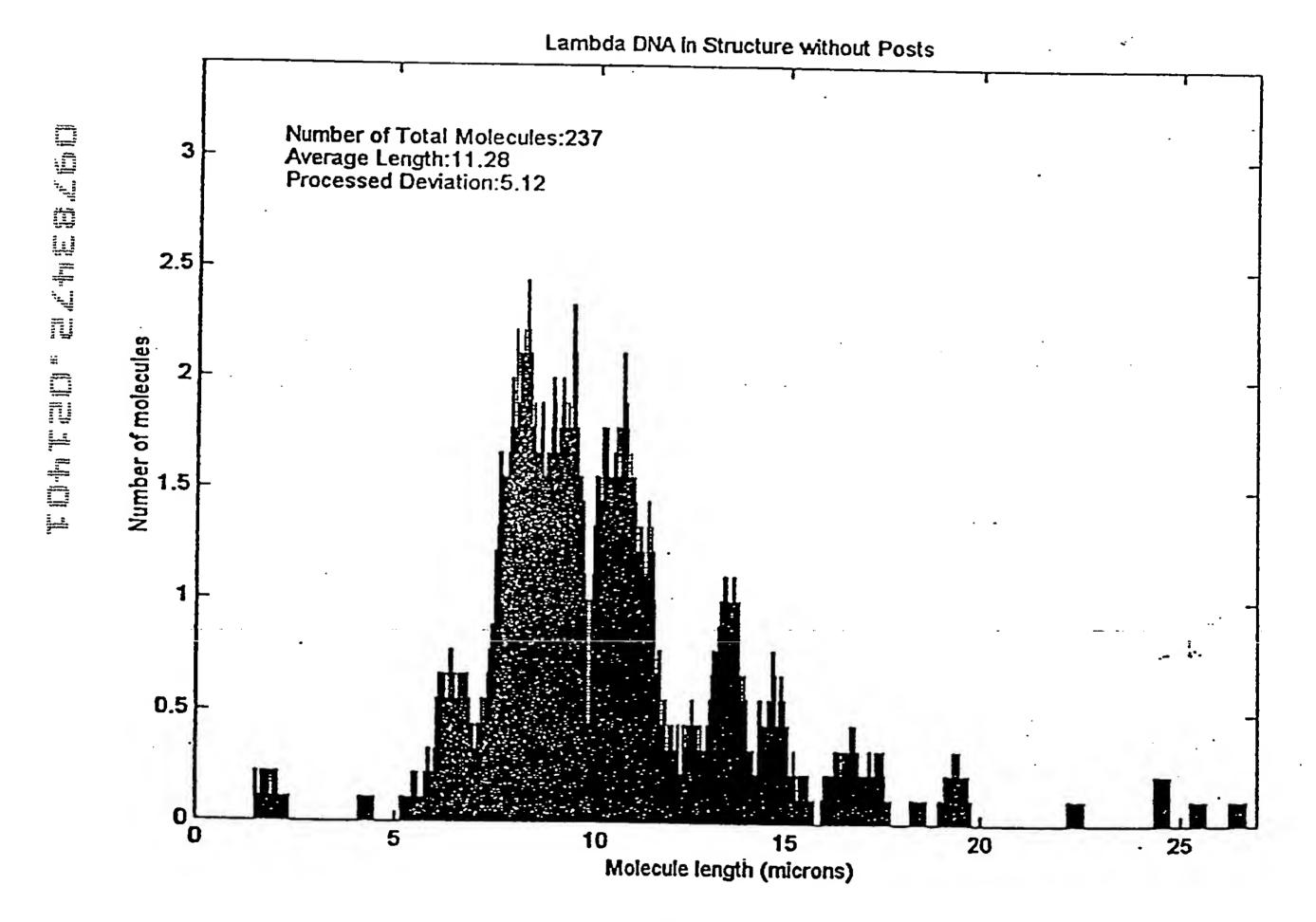


FIG. 31(a)

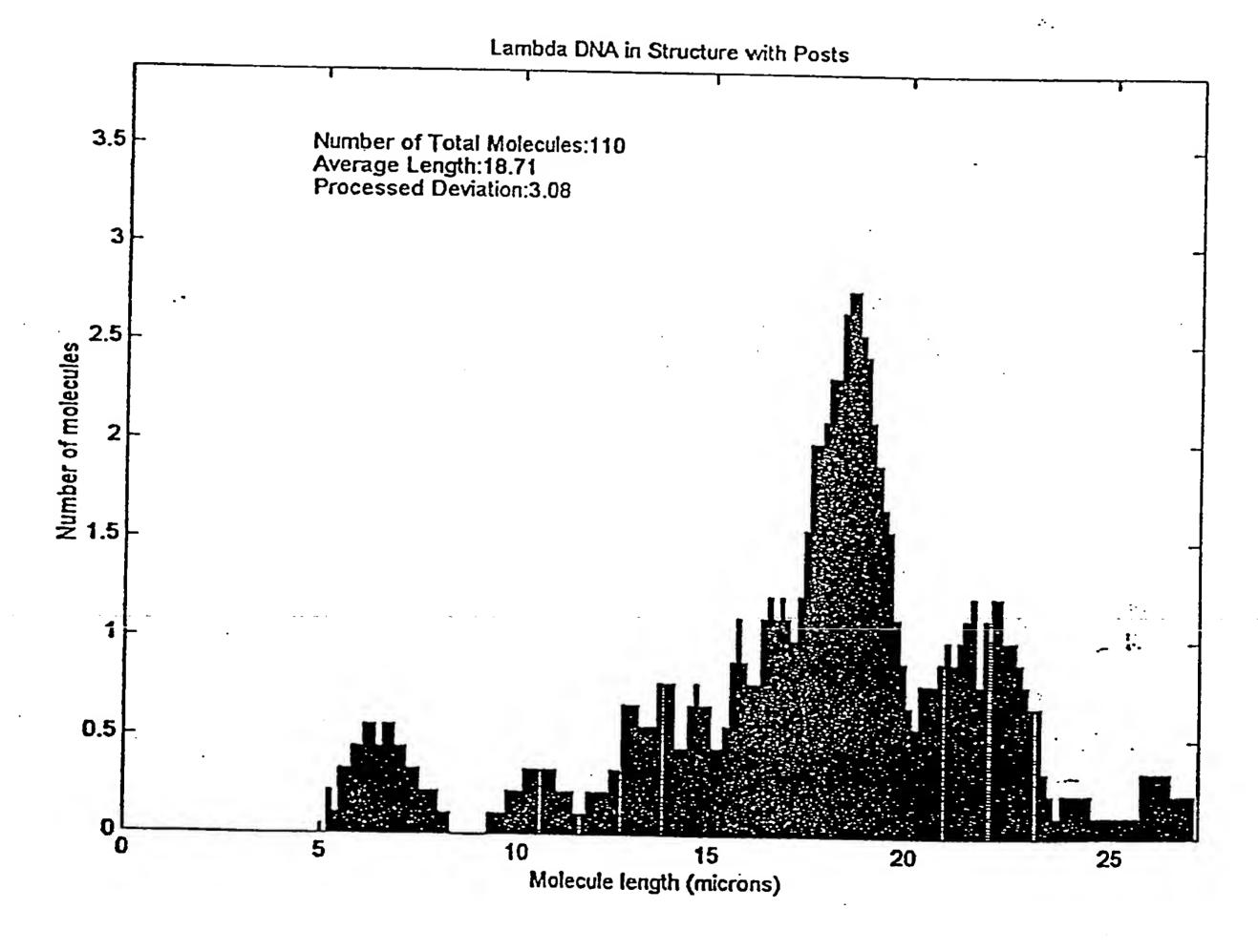
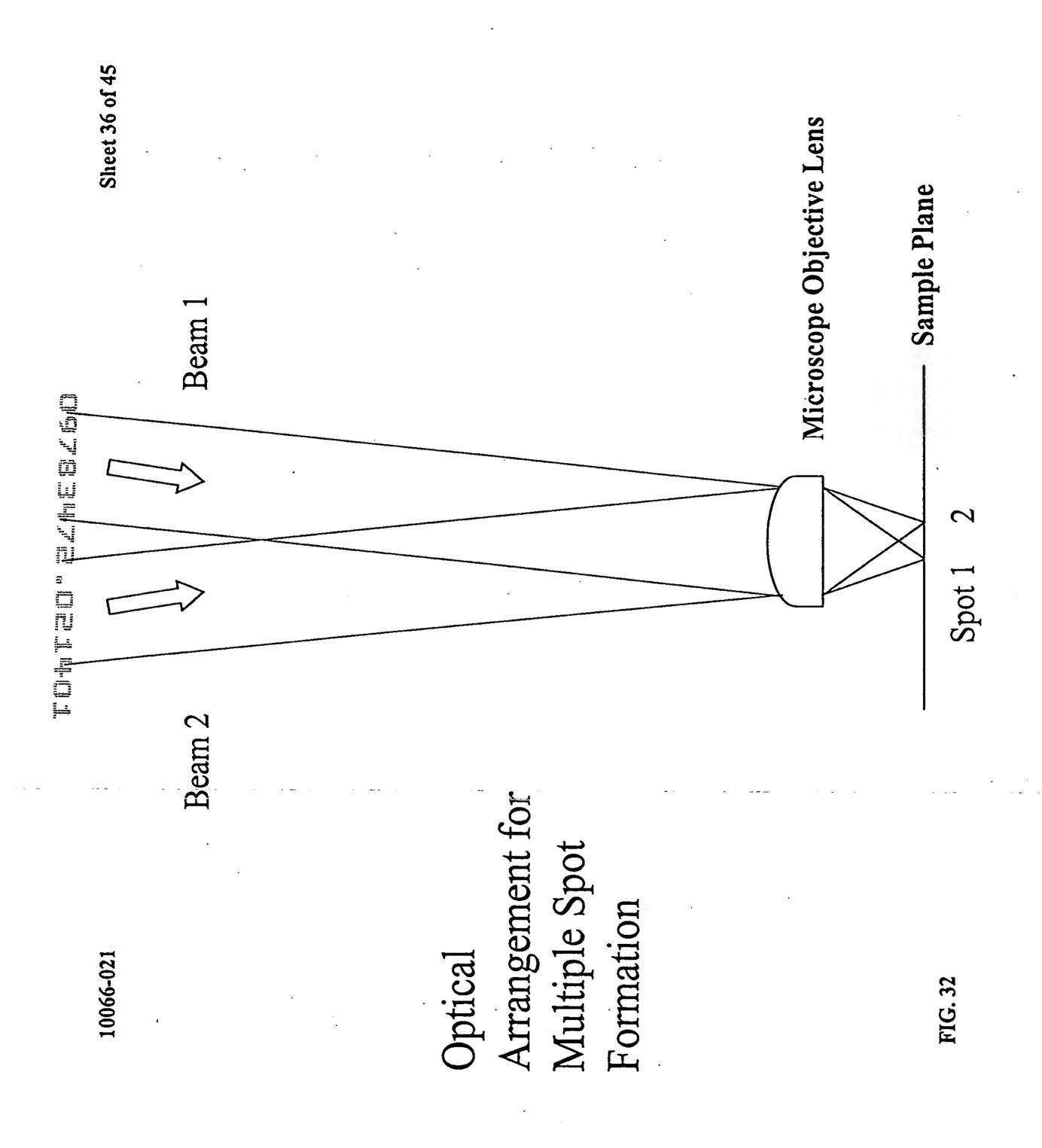


FIG. 31(b)



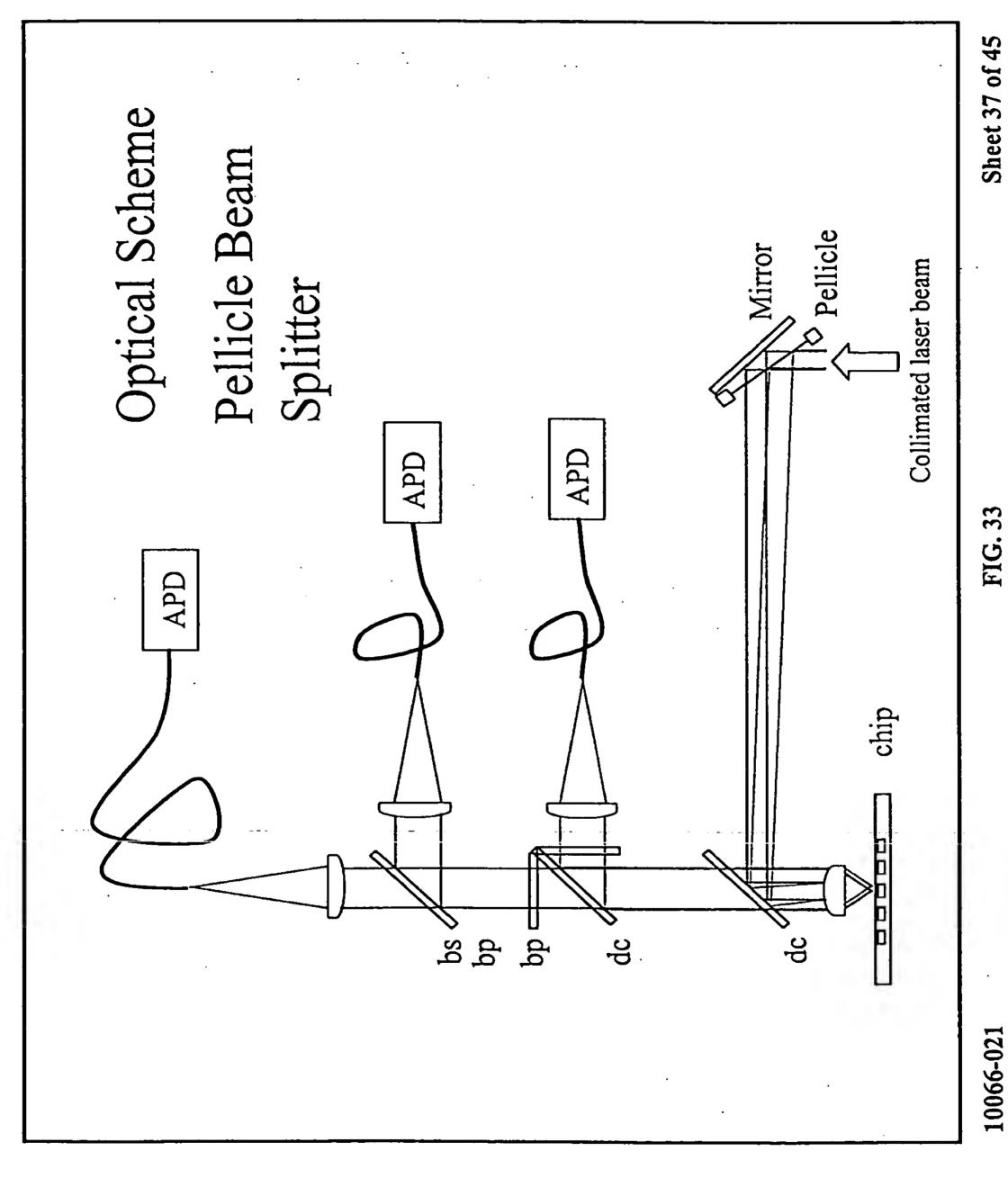
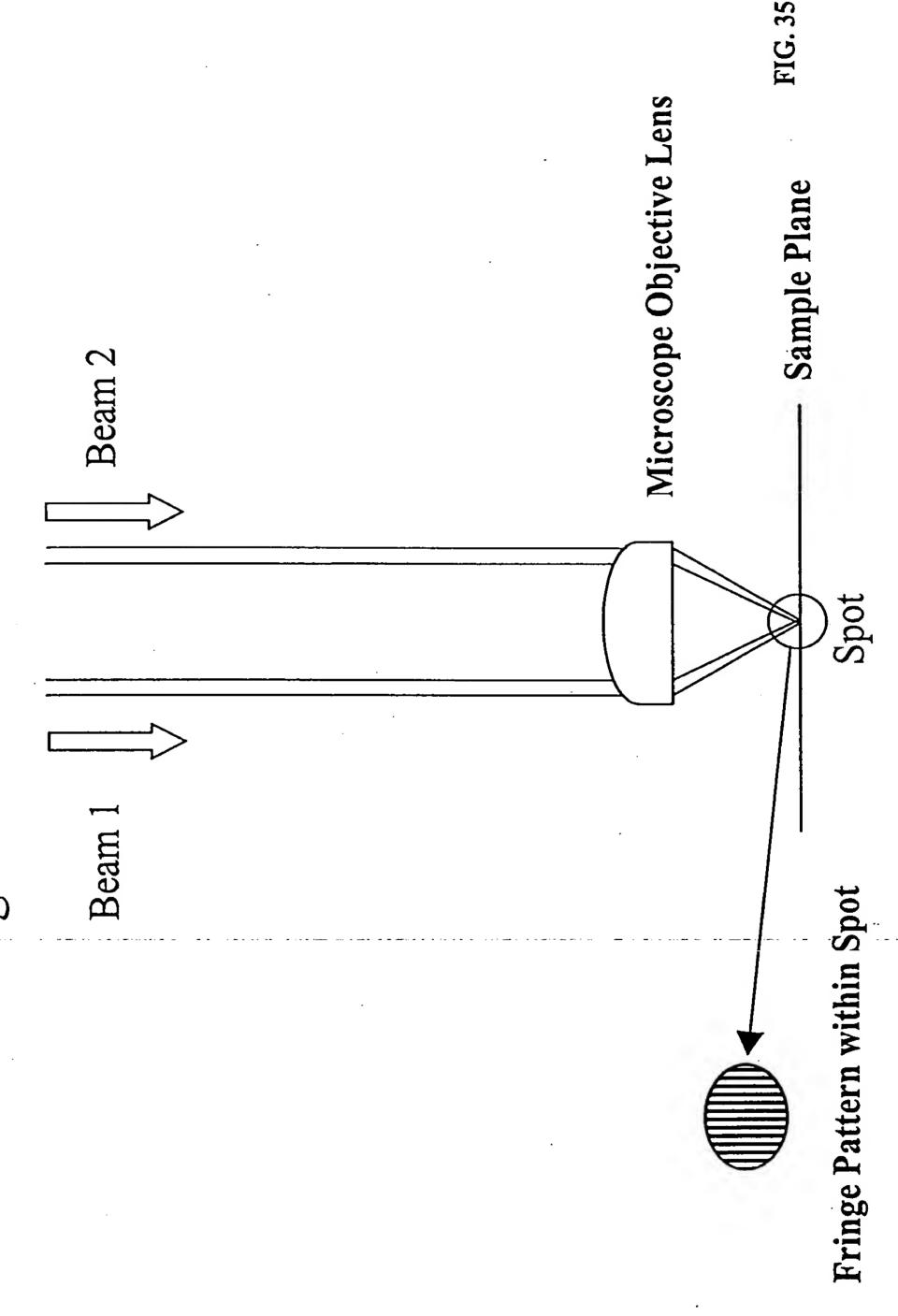
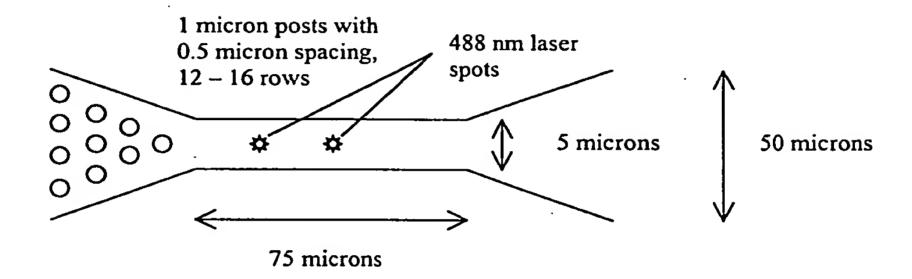


FIG. 33

FIG. 34

Optical Arrangement for Single Spot with Interference Fringes





•

FIG. 36

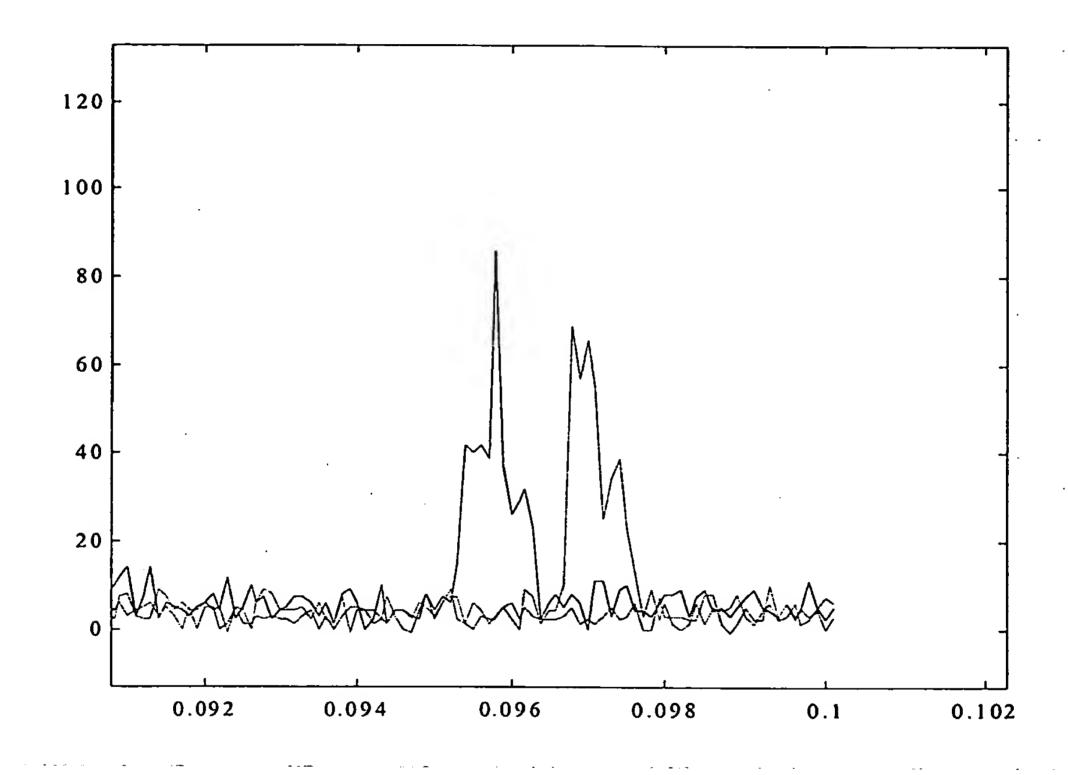


Fig. 37A

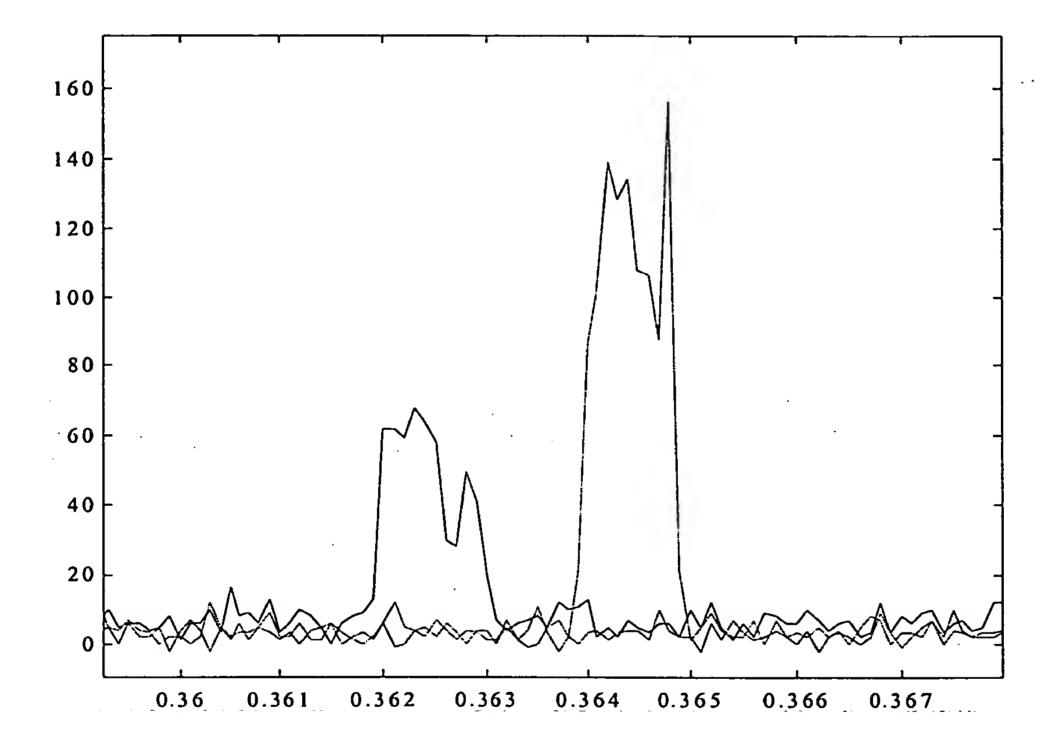


Fig. 37B

-e-·

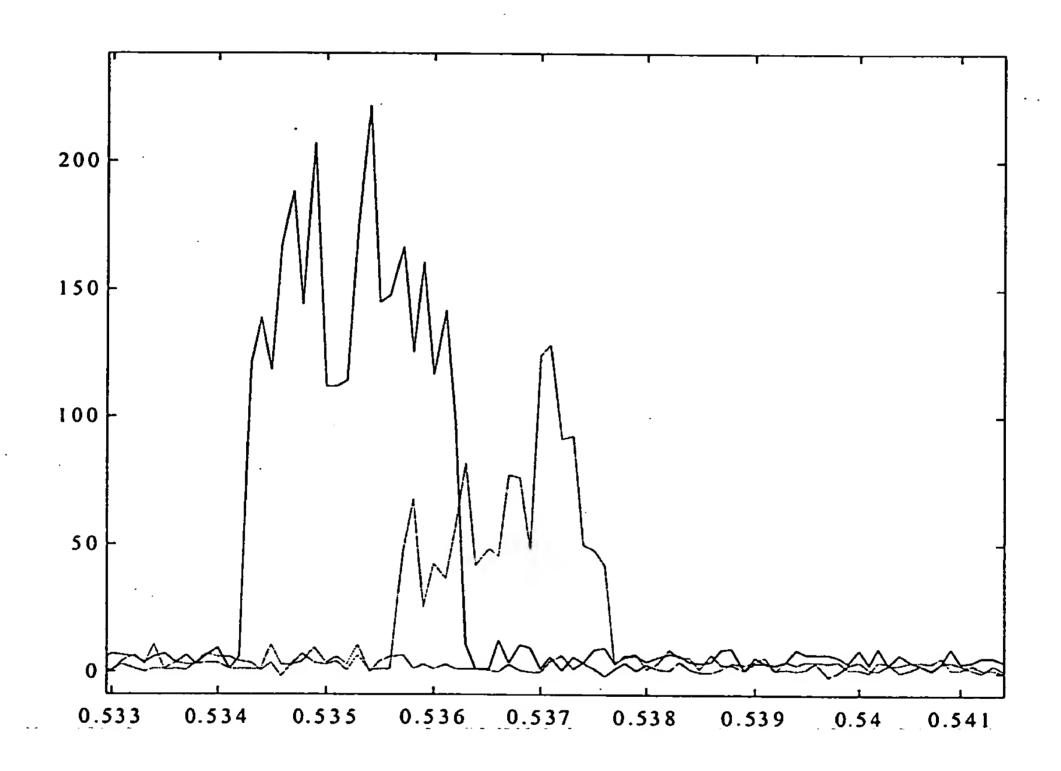


Fig. 37C

The first of the first of the street of the

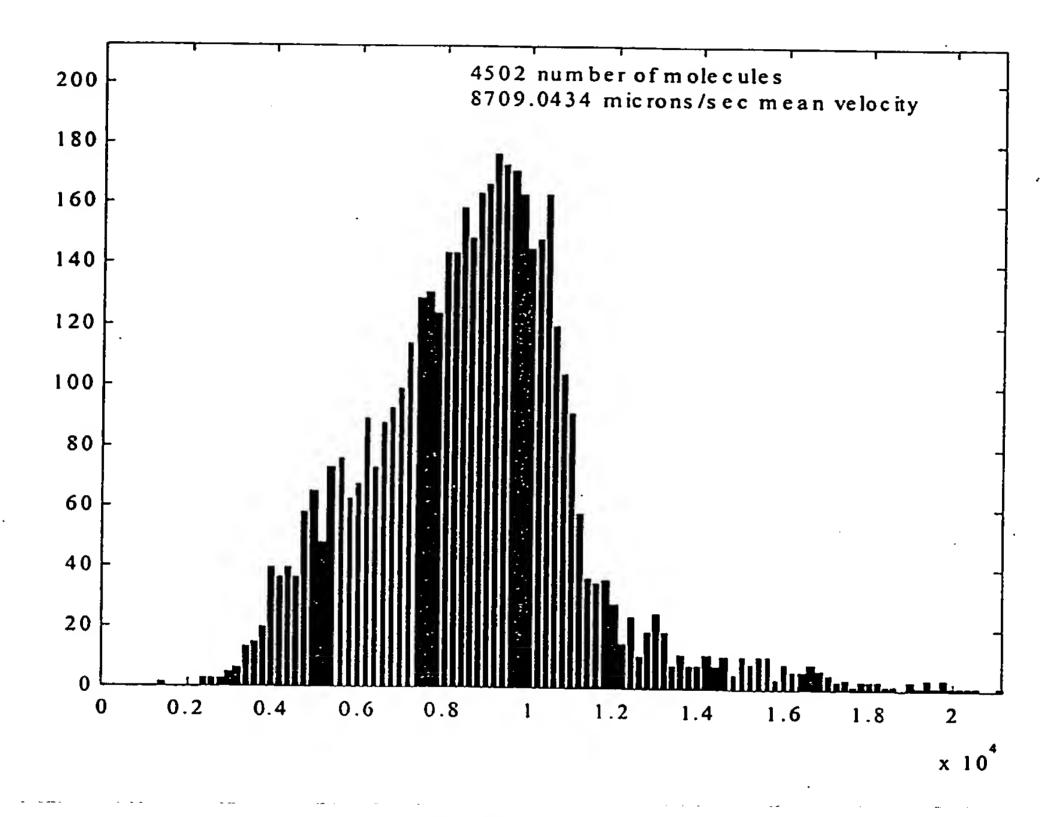


Fig. 38

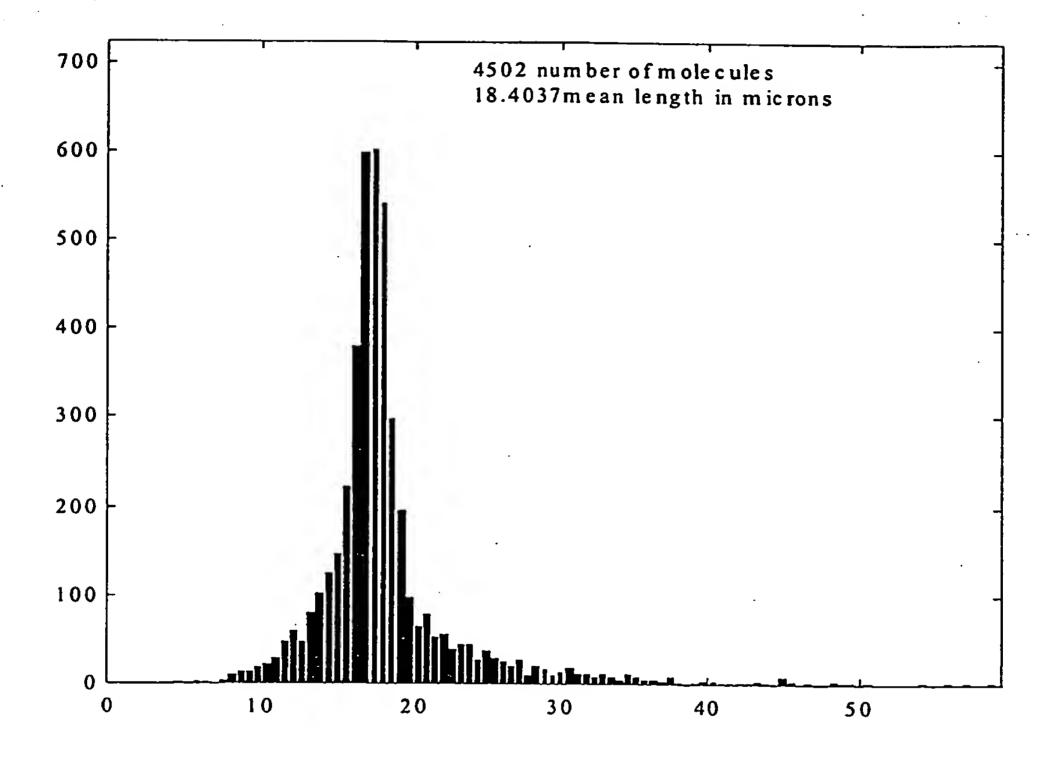


Fig. 39